

RAW SEQUENCE LISTING

**The Biotechnology Systems Branch of the Scientific and Technical
Information Center (STIC) no errors detected.**

Application Serial Number: 09/368,572

Source: _____

Date Processed by STIC: _____

ENTERED



IFW16

RAW SEQUENCE LISTING

DATE: 05/09/2005

PATENT APPLICATION: US/09/368,572

TIME: 12:50:59

Input Set : N:\Cr3\RULE60\09368572.raw.txt

Output Set: N:\CRF4\05092005\I368572.raw

SEQUENCE LISTING

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3 (1) GENERAL INFORMATION:
5     (i) APPLICANT: OHBA, Toshiharu
6         TAKAHASHI, Shuichi
7         ANMA, Yoshiko
8         ASADA, Kiyozo
9         KATO, Ikunoshin
11    (ii) TITLE OF INVENTION: PLANT PROMOTER AND METHOD FOR GENE
12         EXPRESSION USING SAID PROMOTER
14    (iii) NUMBER OF SEQUENCES: 75
16    (iv) CORRESPONDENCE ADDRESS:
17        (A) ADDRESSEE: BROWDY AND NEIMARK, P.L.L.C.
18        (B) STREET: 419 7th Street N.W., Ste. 300
19        (C) CITY: Washington
20        (D) STATE: D.C.
21        (E) COUNTRY: USA
22        (F) ZIP: 20004
24    (v) COMPUTER READABLE FORM:
25        (A) MEDIUM TYPE: Floppy disk
26        (B) COMPUTER: IBM PC compatible
27        (C) OPERATING SYSTEM: PC-DOS/MS-DOS
28        (D) SOFTWARE: PatentIn Release #1.0, Version #1.30
30    (vi) CURRENT APPLICATION DATA:
C--> 31        (A) APPLICATION NUMBER: US/09/368,572
C--> 32        (B) FILING DATE: 05-Aug-1999
C--> 33        (C) CLASSIFICATION:
41    (vii) PRIOR APPLICATION DATA:
W--> 36        (A) APPLICATION NUMBER: US/08/913,842
37        (B) FILING DATE: 30-Sept-1997
W--> 38        (A) APPLICATION NUMBER: JP 07-073043
39        (B) FILING DATE: 30-MAR-1995
W--> 42        (A) APPLICATION NUMBER: PCT/JP96/00777
43        (B) FILING DATE: 26-MAR-1996
45    (viii) ATTORNEY/AGENT INFORMATION:
46        (A) NAME: BROWDY, Roger L.
47        (B) REGISTRATION NUMBER: 25,618
48        (C) REFERENCE/DOCKET NUMBER: OHBA=1
50    (ix) TELECOMMUNICATION INFORMATION:
51        (A) TELEPHONE: (202) 628-5197
52        (B) TELEFAX: (202) 737-3528
55 (2) INFORMATION FOR SEQ ID NO: 1:
57     (i) SEQUENCE CHARACTERISTICS:
58         (A) LENGTH: 1875 base pairs

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Input Set : N:\Crif3\RULE60\09368572.raw.txt

Output Set: N:\CRF4\05092005\I368572.raw

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59      (B) TYPE: nucleic acid
60      (C) STRANDEDNESS: single
61      (D) TOPOLOGY: linear
62
63      (ii) MOLECULE TYPE: cDNA
64
65      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 1:
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67      AAGCTTTTTG CACATATTTG CAGCAGTAGA CAATGCCACT CGCTGAAAAA TATGATCTCC      60
68      CAGAATTTTG GCACAAAAAA TATATCCTAA CTAATATTTG ACTCTATCTA AGATACCACC      120
69      TGACATCAAA TGTTCGAATT TTATAGTCTT TAGCACGAGA AGATGTATAT TAGATATAAA      180
70      CCTTATCTTA TTTAATTAAT TTAGTAAGAT TGAATTAGAG GTAAATTTTA TTACTTAATA      240
71      TAATTAGACT ACTCATAAAT ATATAAATTT AAATTTTAAG TGTTCAATTC AATATATGAA      300
72      ATCTATTGAA AATATCACGT CAACTAATAA TATAACAAAA CTATAATATA AAAATAAGTA      360
73      TAAATTTTAT ATTTATAAAC AATTTTGACA TTAAATTAAA CTTAAATTTA TCTCTATTAA      420
74      TAATAATATT ATAAGACAAA TTAGTCTGCT AAAATACAGA AAACAATATA TTTTTTTGAA      480
75      ACTTTGAAAT ATTATATTGT TGGATGATGT TGGATAATTA GAAAGGACAT ATTATATATA      540
76      TGTCACGTTG AGATGAGTGG CCCATTGCAC TGAAAATGAC TGACAAATGG TACTCTCAAT      600
77      CCCATCTTAT TCTCTGTTCA ATTTTTTTCA CTTGAAACT CTTTTTCCCT ATGGAAAATA      660
78      GCAATAACTA CAATATCCTC GTTCTTCTT GTTAGCTCTT GGCTACAACT GTGTTTCATCT      720
79      TCTCCACTTT CATCAATACA ATTCCAAACA GAATATACTT AGACCCCTCT GCTATTTCAA      780
80      GAAAGTAGCT TGCAAAATTT CTTTGTTCCT GACATACACT TCAATATGAA AAAAAAAAAA      840
81      AAAACACTTT GAGAACTTTT TAAAAAGTAT TAAGTAGGAT TTGACGGCAG AATTTTGTTC      900
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86      ATTCCTCCAA TACTATAAAT CTTAAGATAT ATGTGAACAT TAATATCTAA TGATACATAA      1200
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92      ACACAGAAGA AACAACAAAT TCCATAAAAT TGTGAGATAA TATTTAACCC TAACCTTCTT      1560
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95      CTTTTAGGCC AAAGAAAATT GAAACACAAA ATACCAGTTC TCAAATACAA TGAACATTAT      1740
96      TAATTATAAT TCAGTTAAAA GTCATTGATC AGAACAGCAG TGAAGGTTAG CTATAAGCGC      1800
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132 (2) INFORMATION FOR SEQ ID NO: 2:
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134      (i) SEQUENCE CHARACTERISTICS:
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136      (A) LENGTH: 1965 base pairs
137
138      (B) TYPE: nucleic acid
139
140      (C) STRANDEDNESS: single
141
142      (D) TOPOLOGY: linear
143
144      (ii) MOLECULE TYPE: cDNA
145
146      (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 2:
147
148      AAGCTTCAAG TAAGTCTCTG TGATATGTAT GCAAGGGTTC GAAATGAGAA GAAGGCCCTT      60
149      CAAATTCTAG GTGTACTGGA ATCTAGGAAG GATGAATTAG GAAAAGCTGA TTTTGAGAGA      120
150      ATTATAAGTG GCCTTATTGA TGGTGGGTTT CGGCAAGATG CCCAACGAAT ATGTGGGATC      180
151      ATGGAGGCGC AGGATTTCTG TGCATCAAAG GTTAAGGTCA ACCTTATGAA GCCTGTCTCT      240

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Input Set : N:\Crif3\RULE60\09368572.raw.txt

Output Set: N:\CRF4\05092005\I368572.raw

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159 CATGTAACAA ATAAGAATGA ATTTGTTTAT GGATTTTTCC ATTGCTCAGA TTCTGAATTT 420
161 ACGCAATTTT TTTTTTCTTT TGAACTTTAG TTGTTTGTAT ATACAAATGT CTTCTGTGGC 480
163 ATGTTTCATGG AATTTTCATT TCCAATTATT CAATATTCTT GTGGTGTGAT CATCACTTTT 540
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167 TACTATACTG ATCACAAGAT ACAAATAAT ATAAATGGAT AGGAAATGCA GATGGGATGG 660
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175 TGCAATCATG CTTAATGTAA TATGAATTGA TCTAAAGTAG CTTGCAAATT TGCTTTGTTT 900
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179 TAAGTAGGAT TTGACGGCAG AATTTTGT TTGAAAATAC ATACAAAACG 1020
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183 AGTCCATACT TAAGCATTAA TATAAATATT TCAGTTATTC GACTTCGGTT TCACGTCTTG 1140
185 CCATTGTTTT ACATGTGTAA TACTTCAATT AATTTTTTAT GTTTTCATGT CTCTTTATCC 1200
187 ACTCCCTTTA TTTTACATT ATAATACCAC ATTCCCTCAA TACTATAATT CTTAAGATAT 1260
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199 AAATTAACAT TCAATATATA TATTTTAAAG ACACAGAAGA AACAACAAAT TCCATAAAAT 1620
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213 (2) INFORMATION FOR SEQ ID NO: 3:
215 (i) SEQUENCE CHARACTERISTICS:
216 (A) LENGTH: 2960 base pairs
217 (B) TYPE: nucleic acid
218 (C) STRANDEDNESS: single
219 (D) TOPOLOGY: linear
221 (ii) MOLECULE TYPE: cDNA
226 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3:
228 AAGCTTGATA GATACAATTT GTATGTACCA ACTTGAGAGG AGTGTTAAAT ATATTATTTT 60
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232 GCTTAGTACA TATTTCTTCT ATTATAAATA AAAGACTCTA CGTGATATAT CAACATAAAG 180
234 GAGATTAATC TATTACATAA TTTTCACTAT ATTCAACAAC TATCATAAAA AACATGTAAA 240
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238 AGTAACAAAA TCCTATTTTT ATACATGTAA ATATTTAGGA TGAAAATTAT CTCTTTCCAT 360
240 TGAATAATAA TAACTTTTGG ATAAATAAAA TTTGATCCTG TATTATTAAT TTTATTTTGG 420
242 AAAAGAATGA AAATTTTAAT TTAATTTTTC ATTACATACA AATTTTCAAA TTCATTAGTA 480
244 ATTATAAAAT AGTTTCATGT TTTTGTAAA TTAGTTGTCA AAACATATTT TTAATAAAAT 540
246 ATCTCGAAAA AAATGTTAAC AATAAAAAAT AGGACCTTTT GACACTCCAT AAAAAACAT 600
248 GTTTTTTTTAA TCAGAAAAAC ATGTTATAAT AATCGATAAT ACTATTCTTC ATATATCAAT 660
250 GTATACATGT TAGAAATACT ATATATGTTA CTCAAACTAA TATAATATAT ACTTATATTT 720

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258 CAAATATTTA ATTACATTTT AATATTCAAA GTAATTTGTT ATTGATATAT TTAGAGGATT      960
260 CATATTAAAC ACATGTAACA AGGAAAATAT ATAGAAAATA TCGTCTTATT TCAAAGTTAG     1020
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266 TGACTCTTGA GACATAATAT CATCTCTCAC CATACACTCC CAAAATAACA ATATCATATA     1200
268 TAAACATACA AAAGTATCCA CATGAAATAT ACATCATCAT AATACCACAC ATTTTCATCA     1260
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274 TTTTGTGTTA GTAAACATAC ACACTTTTTT AACACTCATA CAATTCACAT ATCTAAAATA     1440
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278 CTAGTCAATG GATTTAGAAC ACCAAATATC CCAATTAAGT TATTAACACA CCTTAGTTTA     1560
280 AACCTTTATA TCATTAGCAC CATTATAATA AGAAAATTTG AATAACAGGA AATTAAACAA     1620
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284 ATAAATATA TATTTGATTG TAATTTTAGA TTTTATATAT TATAAAAAAA TTAGTTTTAG     1740
286 TTCTTAATTT TTTTTATTTA AATTTGACTT CTTTAATTTT TAATCATTCG TAACTTTAAT     1800
288 CTTTGAATTT CTTGAATAAT TACTAAAGTT TTAATTATAT GCAACTTTAT TCAATTTTCA     1860
290 ATTTTGAAAT TATACTGAAG CACTATTTTA TTACATTTAC ATTAAAGTCC TGCATTCTAT     1920
292 TCTTCTCAAT TTTCTAAAAG ACCACGCACA TTATATACTT TACCCAATCT TATTATATTA     1980
294 TGTTTAATGT AACCCAAATT ATAGATAATT GATCTTAAAA TTGAACAACA TTATGATCGT     2040
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298 ATAAATGAG GGACTAAAAA CTACATAAAA TAATATGGAC CCAAAAAAAT ACATATTTTA     2160
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304 AAATTTAAAA AAAAACTTA TAATTAATAA GTTTAGCATA CAGGTGAGCA TGTCAGTATT     2340
306 ATATAAATTA AATATGTCAA TAGTCCATTT AGTATTAGGT GTATTGTCAT ATATCAACAT     2400
308 GAAAGCAACA TGATTTAAAG AATAATAAAC TAATACATGA TTAAACCGT TTAATTTTAG     2460
310 AAATTAAGAA ACCAAGCGTA CAGAATTTAA AAGTAAATAA AAATCACATT GGAAATTTTA     2520
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314 AAATATCAAG AAGCAATTC TTTTACTTGT TTATAGAATT CGGTTCTTAT CCAAATTAAA     2640
316 AAGAAAATTT CTTAGGCATA CTAAATTATA TATTTGATTG AATTTAACAT TCATTTAAAA     2700
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320 GTAATATCAT GATGACACCT GTTACTTCTA GCTTTCGAAG ATCATAATCA TGAACAGAAA     2820
322 TATACCTAAT GAACAGAAAG AAAACTCCTG TGGCAGAGAT GAACGAAGAA GCAAACTTCC     2880
324 AAAGCACGGT GATGTGTCTA TATATATATT CCCATTAGCC TCAAAGACTT TCACAACACT     2940
326 TTCATCTTTC CCTTGTTAAC                                     2960
328 (2) INFORMATION FOR SEQ ID NO: 4:
330     (i) SEQUENCE CHARACTERISTICS:
331         (A) LENGTH: 3300 base pairs
332         (B) TYPE: nucleic acid
333         (C) STRANDEDNESS: single
334         (D) TOPOLOGY: linear
336     (ii) MOLECULE TYPE: cDNA
341     (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4:
343 CCACCGCGGT GGCGGCCGCT CTAGACATAA TGATCTCTTT CAATGATCAC CATTAAATAT      60
345 AGACACAAAA TAGATTTGAA CTTAAGATTT ATCAAATTAA GTTTAACAAC TAAATCCAA     120
347 CCAGAGAACC ATGATCTCTA TCCACAAGTT ATTTTAGAAT GATTTGAGAA TGAAATTCTA     180

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| 351 | ATTTTTTTTAA | CTATTCTTGC | AGGATAGAAA | ACATACTGCA | AAGATTCCAG | AGAAAGTTTT | 300 |
| 353 | TCTCTTTACT | CTTCAACCTT | TTAGCTCATA | TTCTTCCATG | TCTAGGTATC | GTTCCAAGCG | 360 |
| 355 | AGAAGAAGTG | TGTTTGTAAG | AGACACTATG | ACGCTCAAGT | AAGGAGTGTG | CCTTTGATGA | 420 |
| 357 | TAATAAATAT | TTTAATAATG | AACACATAAT | TAATTACCTC | GTGAACAAGA | CTATTTATAT | 480 |
| 359 | TAGGTTTATG | GGTCCTTACC | TGTTGGGCTT | GGATTACATA | GATAATCATC | ATGGTTAATT | 540 |
| 361 | TGTTTAGTGA | TCTTGCTAAT | ACTTTTAACT | CTTAACCTTT | ACTGATCCTT | ACTATTACAA | 600 |
| 363 | TGTGATCTTA | AACATTACAA | AATGAAATAA | TGTTAGGTAG | GTGTTTCATG | ATATTTAAAA | 660 |
| 365 | TGATTCTTGA | TCGGTATGAG | CCAAATCAT | CTCTGGTACA | TATAAATAGA | GATGAGTTTA | 720 |
| 367 | GTCATTACAT | ACCCACATAA | TGTTAAGTAG | ATGTTTACAT | ATGATTGATA | AGATAACCTC | 780 |
| 369 | TCGTATATAG | GTTGAAATGG | TCTTTGATAC | ATGTAATAAC | ATTAGATGTT | AATAGTTAAA | 840 |
| 371 | AATTGATTAA | AATAAAATTA | CATATAATAA | TTTATTTTGA | TACATATTGC | CAGACCTCAT | 900 |
| 373 | TTAAACGCA | CCCAAAAACC | TTCTGAACGG | ACGTCAGGTG | TCAAGCGAAG | AGGATCCGGA | 960 |
| 375 | AATCAGATAG | TGGAAGGCAG | GTGTCGGCAG | ATGAGCGGAC | GCTCGTTTTG | ACGTGGGAAG | 1020 |
| 377 | CAAACTTGA | TTTTTCAGAA | AATTCACGTC | ACACTCTCTG | CATGCACCTT | CTTCCCCAAA | 1080 |
| 379 | CTCTGAAAAT | TTTATTTCTC | CTCCTTCTCA | CTAAAACTC | TCCCTTCTCT | CTATAAAATA | 1140 |
| 381 | TCATCATTTG | TTGATAATTT | TGATGTTTCT | TTTGAAGTTT | TTTTATTATT | ATTTAATTAT | 1200 |
| 383 | AGTAATATCT | CCTTCTTAAA | TTCTTAAAT | AATATCTATT | TATTCATGTT | TTGTTTATTG | 1260 |
| 385 | TCGATATATT | CTAACTACAA | AACTATCTTA | AATACTTAAT | AATGTAAAGT | TAAGGTAAGA | 1320 |
| 387 | TAGCGAAAGC | AAAGGTAAAT | GTAAATCTAA | AAATAAAACA | AACCTTTGTAT | TTAGACATTA | 1380 |
| 389 | ATAATATATA | TAAAAAATAC | CCTTATATAT | AATGGATTCT | ACGTTTTAAG | GTAAAGGGTA | 1440 |
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| 393 | CTAAAAAAA | AAAAAACCT | CCAAACCCTT | AGTTACCTCT | CTCATTCTCT | TCAACCCTTT | 1560 |
| 395 | CTCTCTCATC | TCTCCCACTC | CAACCTTTTC | TCTGTCAATC | CTACTGTAGT | CCCAATTGAA | 1620 |
| 397 | AAATACAGAA | ACTCTAGCCC | CAATTGAAAA | AATGCAGAAC | ACTTGCCGTT | AAATTGCCTT | 1680 |
| 399 | TGTAAAGAGT | TGAGTCATTG | ACATATTAC | CTTCAGGAAA | AGGTTCACTC | AAGATCTCTT | 1740 |
| 401 | CAATTTTACC | ATCTTCATTA | ACCTCTCTAA | TTTCATCATC | TACATGTGTT | GAATCATCAT | 1800 |
| 403 | CTCTAAAAAA | TTATAAAATG | AAAAGTCATT | ATAAAATCAT | TTTTTTGTAAG | AAATTGTTTA | 1860 |
| 405 | ACGAGTGTCT | CTGATTTTTT | CCACGCCAAT | TACCAATTCC | TTTGATGTTA | TTATGCTTGT | 1920 |
| 407 | GAAAATTAGA | TAAAATTAGA | TAAAATTAGA | TAAGACAAAA | ATTATAAAAT | GAAAACCTAT | 1980 |
| 409 | TATAAAATCA | TTTTTTGTAA | GAAATTGTTT | AACAGCGAGT | ATTTCTGATT | TTTTCCAGGT | 2040 |
| 411 | CAATTACCAA | TTCTTTTATA | CTTGTGAAAA | TTGGATAAAA | TTAGATAAGA | CAAAAATTAT | 2100 |
| 413 | AAAATGAAAA | CTCATTATGA | AATCATTTTT | GTAAGATTGT | TTAACGACAC | ATGTTTCTGA | 2160 |
| 415 | TTTTTTTGAAT | TAGGGCTATA | GTAGGGATGA | TAGAGAAAAA | GTTGGAGTGA | GAGAGATGAA | 2220 |
| 417 | AGAGTGAGGA | TTGAGAGAAA | TGAGAGAGGT | GAATAAGAGT | TTGGGTGTTT | TTTTTTAGTT | 2280 |
| 419 | TTGAGAATGG | AAATTATTAA | AATACCCTTA | ACCTTAAATT | TAGAATCTAT | GATATATAAG | 2340 |
| 421 | GGTATTTTTG | TCTACTAAAA | TCTGATACAT | ATTACTCAA | TGTACCAACT | AAAAAGAGAC | 2400 |
| 423 | GTACACGCGT | TACCCAACCC | CATATATATA | TATATATTAG | CCTCCCAAAC | TATCTTAAAT | 2460 |
| 425 | AAGGTAAAGT | TAAGGTAAGA | CAGCGAAAGC | CATAAGTAAA | TGTAAATCTA | AAAGTAAAC | 2520 |
| 427 | CAATTTAGTT | TTTAGACATT | ACGAGTATTC | AGGCATTAT | AATTATGGTA | CAACTTTTAA | 2580 |
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| 435 | CCTCTTTGAT | TTGCAACGAG | CCACCAGAAG | GAGAGATTGT | TAATTTAAAC | GGAGTAAATA | 2820 |
| 437 | ATCATCAAGT | GCCACGAAAT | AGTTACATAA | TCACGAAGTT | ATCTACAAAA | AATAGCCTAA | 2880 |
| 439 | AATGCATTCT | AAAATTTATC | ATTATTGCAA | ACAACAATAC | TCTAATCTGA | AAGAGATTGA | 2940 |
| 441 | TGATTACAAA | GATTAGCTAG | CAGTCAATTT | AAATAAACGC | GTAATAGTCT | CTCTATTAGT | 3000 |
| 443 | TGTTTCCAAC | ACAAAATCCT | AACTAAAGCA | AATGCATGAT | TCTTTGTCTT | CATCTCTCTC | 3060 |
| 445 | TCATCTGACA | TAAAACAAAT | CTTAAATATA | TATCATTAAT | CATTATAACA | AGCATAAACT | 3120 |

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/368,572

DATE: 05/09/2005

TIME: 12:51:00

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Output Set: N:\CRF4\05092005\I368572.raw

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L:32 M:220 C: Keyword misspelled or invalid format, [(B) FILING DATE:]
L:33 M:220 C: Keyword misspelled or invalid format, [(C) CLASSIFICATION:]
L:33 M:220 C: Keyword misspelled or invalid format, Poss data loss, (C) CLASSIFICATION:
L:38 M:238 W: Alpha Fields not Ordered, Reordered [(A) APPLICATION NUMBER:] of (1)(vii)